



European Patent
Office

EUROPEAN SEARCH REPORT

Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 88308124.2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
P, X	EP - A1 - 0 275 589 (THE BOARD OF TRUSTEES OF THE DELAND STANFORD JUNIOR UNIVERSITY) * Claims 1-10 *	1, 4, 9, 10, 19, 22, 27, 28, 30-34	C 12 H 18/00 C 07 H 21/04 A 61 K 39/10
--			
X	EP - A2 - 0 882 828 (SOLAVO S.P.A.) * Claims 1, 2, 8-9, 14, 16 *	1, 9, 18, 19, 27, 28, 30-34	
--			
D, X	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 83, no. 13, July 1986 (Baltimore, USA) A. NICCSIA et al. "Cloning and sequencing of the pertussis toxin genes: Operon structure and gene duplication" pages 4631-4635 * Pages 4631, 4632 *	1, 9, 18, 31-34	
--			
X	FEMS MICROBIOLOGY LETTERS, vol. 36, 1986 (Amsterdam) O. ENGSTRÖM et al. "Characterization of the N-terminal structure of pertussis toxin subunit S1 and hybridization of oligodeoxyribo-nucleotide probes with a Bordetella pertussis DNA fragment" pages 219-223 * Totality *	1, 9, 18	C 12 H C 07 H A 61 K
--			
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)

Place of search VIENNA	Date of completion of the search 06-12-1988	Examiner WOLF
CATEGORY OF CITED DOCUMENTS		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

BEST AVAILABLE COPY

EP Form 1503 01/87

mer